

GNCAGCATTTCTCTAAGGGATNCAATNNGGCTTGCCCCGAGGCCACACTCATTTCCCCATNCCC
TCAAATACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAAANCCTAATT
CTCCCTGCTTGCCAAATCATTTCTTCTCAGCATCCTGCCCAGCAAAAAANCANCTTNTGATCAA
AATNATCCCCGGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGNAGTCCNGGAGATTGCTGAC
CGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATATGAAATATTCAAAGCCGTTGAGT
ATAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATTAAGATGGATGTAGGGGGTGGTTGTTT
CACCCACATAAAAGTCTTCAAGGATCTTTCTGGAAAGAATAATTTGGAACCTTACTGGTTACCAG
ACTAACAAAACCGAGGATGATGAGCTGACCTACTTCTAAGCAGCAAATTCTAAAGTGACCTGAT
TCCTCTCATTTGTAAACTGATTCGNCCATCAATAAAGAATATTCTCCA (SEQ ID NO:1)

FIGURE 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GNCAGCATTTCTCTAAGGGATNCAATNNGGCTTGCCCGAGGCCACACTCATTTCCCCA
TNCCCTCAAATACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAA
ANCCTAATTCTCCCTGCTTGCCAAATCATTTCTTCTCAGCATCCTGCCCAGCAAAAAANC
ANCTTNTGATCAAAATNATCCCCGGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGN] A
GTCCNGGAGATTGCTGACCGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATAT
GAAATATTCAAAGCCGTTGAGTATAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATT
AAGATGGATGTAGGGGGTGTTGTTTCACCCACATAAAAAGTCTTCAAGGATCTTTCTGGA
AAGAATAATTTGGA ACTT [ACTGGTTACCAGACTAACAAAACCGAGGATGATGAGCTGAC
CTACTTCTAAGCAGCAAATTCCTAAAGTGACCTGATTCCTCTCATTGTAAACTGATTTCGNC
CATCAATAAAGAATATTCTCCA]

FIGURE 2A

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Gene Sequence Structure
*

238 bp

Sequence Deleted

436 bp

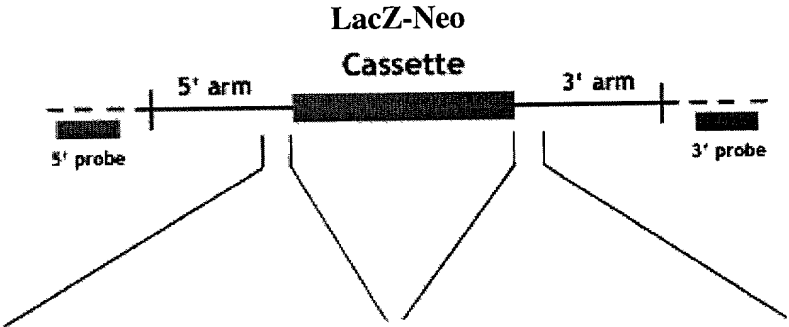
Size of EST: 559 bp



Targeting Vector* (genomic sequence)

Construct Number: 2757

Arm Length:
5': 1.2 kb
3': 3 kb



<p>5' >CGAGGCCACACTCATTTCCTCC ATTCCCTCAGATACTGTGATGATT ATACATTTGATAGGAGGAGATTAT GGATACCTTTAAAATTCTAAGTCT CCCTGCTTGCCAGATCATTCTTC TCAGCATTTGCCCAGCAAAGAAG CAACTCGTGATCAGAATGATACCC GGAGGCTTGATGGAGGCCAGACCT GCCACAGCAGA<3' (SEQ ID NO:2)</p>	<p>5' >ACTGGTTACCAGACTAACAAA ACCGAAGATGATGAAC TGACCTAC TTCTAAGCAGCAAATTC TAAAGTC ACCTGATTCCTCTCATTGTAACT GATGCGGCCATCAATAAAGAAATA TTCTTCAAATAAAAAAAAAAAGA AAGAAGCATTCTAACACAATACAA TCCAAAGATGTACTGATTTGATGT TACATACTCAG<3' (SEQ ID NO:3)</p>
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————— Targeting Vector
----- Endogenous Locus

* Not drawn to scale

FIGURE 2B